Integrating Github & Jenkins

Step 1:- Create Job in Jenkins

1.

Enter an item name

| tutorial |

» *Required field*

2.

Freestyle project

This is the central feature of Jenkins. J
system, and this can be even used for s

Maven project

Build a maven project. Jenkins takes a
configuration.

1. Enter the name for the job.
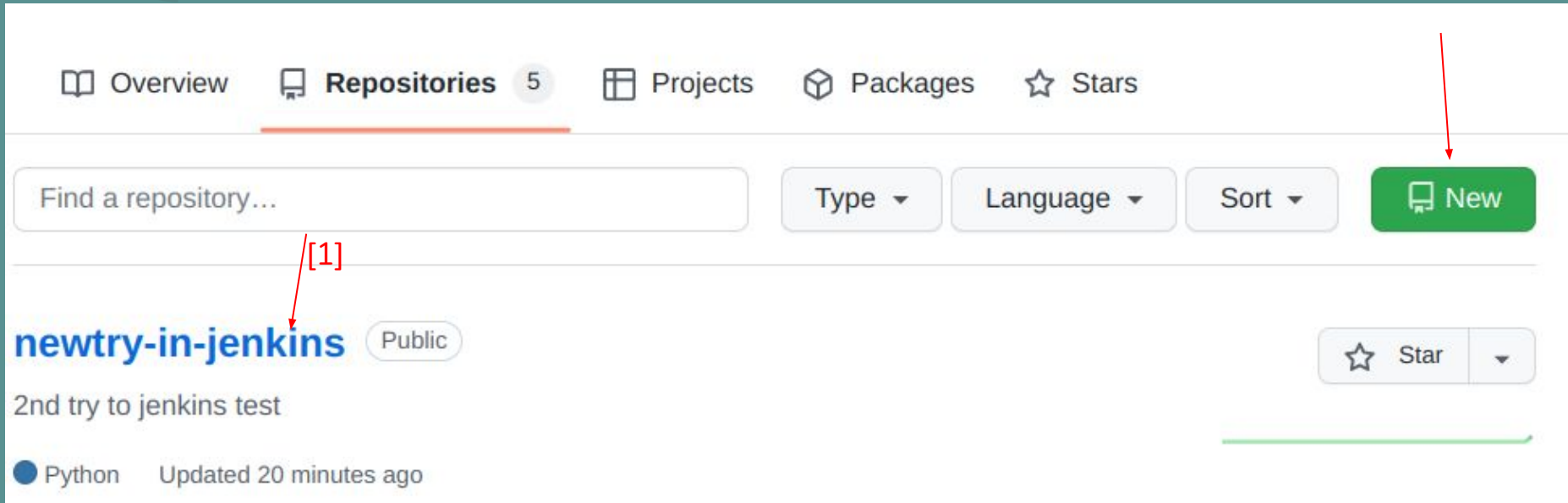For Eg: tutorial

2. Choose the project type.

There are various option for the project types like: Freestyle, Maven, Pipeline, Multi-configuration etc.

Normally we choose freestyle project because it can be used to build almost any type of project but other projects can't do.
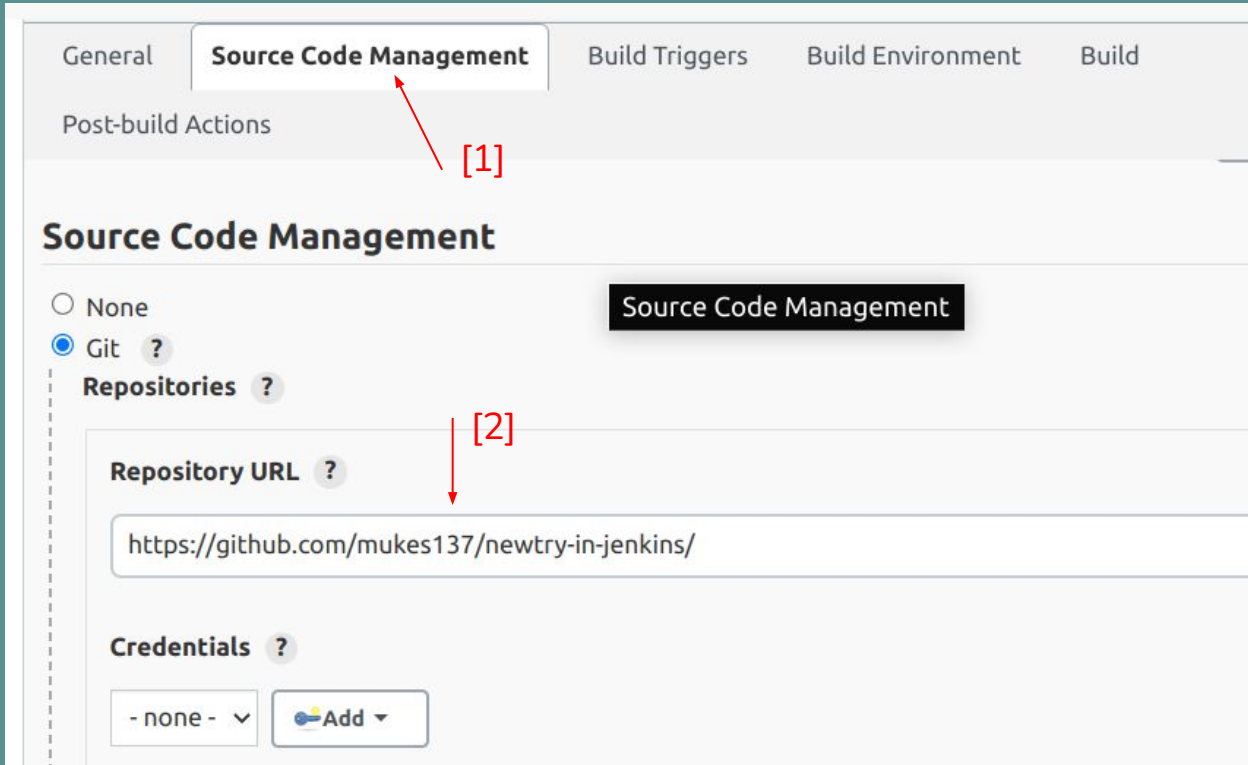
Then press OK.

Step 2:- Create Github repository

Click on the new option to create the repository.
Here, I have created repository [1]

Step 3:- Linking github with jenkins

Click to the option [1]

Then we paste the link of the repository of github [2]

Step 4:- Specify the branch

Step 5:- Run the job

Specify the branch in which the job to be compiled is specified.

Running the job means to build.

Jenkins complies the jon configuration inside the project workspace to perform the defined steps.

Step 6 :- Building process

We can watch the Build History in order to check whether our build process succeeded or not.

[1] denotes that the build process succeeded.

[2] denotes that the build process failed.

Other features after integration

We can perform more other task after build is completed.

- If the build fails or succeeds we can edit the build information about build name and add description.
- We can view the console output for the build.
- We can delete the build.